NAZA-M Product Release Notes

Date:	**2013/08/05**
NAZA-M firmware version:	**3.16**
NAZA-M Assistant software version:	**2.16**
NM Assistant (App) version:	**1.3.5**
NAZA-M Quick Start Guide:	**1.16**

Functions:

- Manual Mode(user select Manual, Atti and Failsafe);
- Atti. Mode;
- Gps Mode;
- Intelligent Orientation Control(CF)：Course lock/Home lock;
- Enhanced Fail-Safe：Landing / go home & landing;
- Quad-rotor I, X; Hex-rotor I, V; Y, IY; Octo-rotor X, I, V;
- Combination Stick Command to start; Immediately Mode and Intelligent Mode to stop;
- Remote gain tuning;
- Two-axis gimbal supported, Multi Gimbal Servo Output Frequency Supported;
- Support Normal receiver, D-Bus Port support S-bus and PPM receiver;
- Voltage Monitor and Low Voltage Protection;
- 4 channels transmitter support;
- Five-level Motor Idle Speed adjustable in Motor Mixer;
- IMU Calibration function;
- Support PMU extend module, could connect with iOSD, H3-2D gimbal and NAZA-M BTU module;
- Add Receiver Advanced Protection Function.

What's new?

- **Firmware**
  - ✓ Parameter configuration by NM Assistant is supported. (BTU module is required. Download the App software from iOS App store or scan the QR code to get the download link.)
  - ✓ iOSD mini supported.
  - ✓ S-bus II receiver supported.
  - ✓ Optimize the warming up condition, to avoid a long wait period before aircraft can takeoff.
- **Software**
  - ✓ Add tips for IMU Advanced calibration time out.
- **Manual**
  - ✓ Add connection diagrams when used with other DJI products.

Important:

- Make sure to reconfigure all parameters in the assistant software after upgrading firmware, since V3.16 upgrade will reset all parameters.

Notes:

- For safety reason, do not use power battery during firmware upgrade.

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NAZA-M Product Release Notes

Date:	**2013/07/04**
NAZA-M firmware version:	**3.14**
NAZA-M assistant software version:	**2.14**
NAZA-M Quick Start Guide:	**1.10**

Functions:

- Manual Mode(user select Manual, Atti and Failsafe);
- Atti. Mode;
- Gps Mode;
- Intelligent Orientation Control(CF)：Course lock/Home lock;
- Enhanced Fail-Safe：Landing / go home & landing;
- Quad-rotor I, X; Hex-rotor I, V; Y, IY; Octo-rotor X, I, V;
- Combination Stick Command to start; Immediately Mode and Intelligent Mode to stop;
- Remote gain tuning;
- Two-axis gimbal supported, Multi Gimbal Servo Output Frequency Supported;
- Support Normal receiver, D-Bus Port support S-bus and PPM receiver;
- Voltage Monitor and Low Voltage Protection;
- 4 channels transmitter support;
- Five-level Motor Idle Speed adjustable in Motor Mixer;
- IMU Calibration function;
- Support PMU extend module, could connect with iOSD, H3-2D gimbal and NAZA-M Bluetooth module(coming soon);
- Add Receiver Advanced Protection Function.

What's new?

- **Firmware**
  - ✓ Optimize the compatibility for Zenmuse H3-2D gimbal.
  - ✓ Add calibration function of X1 channel(X1 is used for pitch control of normal gimbal and Zenmuse H3-2D gimbal).
  - ✓ Change the default aircraft type to X4 instead of I4.
- **Software**
  - ✓ Add calibration function of X1 channel(X1 is used for pitch control of normal gimbal and Zenmuse H3-2D).

Notices：

- For safety reason, do not use power battery during firmware upgrade.
- Make sure reconfigure all parameters after upgrading firmware.

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NAZA-M Product Release Notes

Date:	**2013/05/17**
NAZA-M firmware version:	**3.12**
NAZA-M assistant software version:	**2.12**
NAZA-MQuick Start Guide:	**1.04**

Functions:

- Manual Mode(user select Manual, Atti and Failsafe);
- Atti. Mode;
- GpsAtti.Mode;
- Intelligent Orientation Control(CF)：Course lock/Home lock;
- Enhanced Fail-Safe：Landing / go home & landing;
- Quad-rotor I, X; Hex-rotor I, V; Y, IY; Octo-rotor X, I, V;
- Combination Stick Command to start; Immediately Mode and Intelligent Mode to stop;
- Remote gain tuning;
- Two-axis gimbal supported, Multi Gimbal Servo Output Frequency Supported;
- Support Normal receiver, D-Bus Port support S-bus and PPM receiver;
- Voltage Monitor and Low Voltage Protection;
- 4 channels transmitter support;
- Five-level Motor Idle Speed adjustable in Motor Mixer;
- IMU Calibration function;
- Support PMU extend module, could connect with iOSD, H3-2D gimbal and NAZA-M Bluetooth module (coming soon);
- Add Receiver Advanced Protection Function.

What's new?

- **Firmware**
  - ✓ Add Receiver Advanced Protection Function.
  - ✓ Fix the problem of Transmitter mid point deviation and travel asymmetry. Add mid point checking when power on, if mid point deviation is too big, motor start fails and there is Red LED indicator to warn you.
  - ✓ Optimize stop motor in Intelligent Mode, the criterion of stopping motor changes from under 40% throttle stick to under 10%.
- **Software**
  - ✓ New UI design, simple and easy to use.
  - ✓ Add Receiver Advanced Protection Function on the Basic->RC tab.
- **Manual**
  - ✓ New **Quick Start Guide,** matched with the new assistant software.
  - ✓ Add instruction for the corresponding function.

Notices：

- For safety reason, do not use power battery during firmware upgrade.
- Make sure reconfigure all parameters after upgrading firmware.

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NAZA-M Product Release Notes

Date:	**2013/05/01**
NAZA-M firmware version:	**3.10**
NAZA-M assistant software version:	**2.10**
NAZA-M Quick Start Guide:	**1.00**

Functions:

- Manual Mode(user select Manual, Atti and Failsafe);
- Atti. Mode;
- GpsAtti.Mode;
- Intelligent Orientation Control(CF)：Course lock/Home lock
- Enhanced Fail-Safe：Landing / go home & landing
- Quad-rotor I, X; Hex-rotor I, V; Y, IY; Octo-rotor X, I, V;
- Combination Stick Command to start; Immediately Mode and Intelligent Mode to stop;
- Remote gain tuning;
- Two-axis gimbal supported, Multi Gimbal Servo Output Frequency Supported
- Support Normal receiver, D-Bus Port support S-bus and PPM receiver;
- Voltage Monitor and Low Voltage Protection
- 4 channels transmitter support
- Five-level Motor Idle Speed adjustable in Motor Mixer.
- IMU Calibration function;
- Support PMU extend module, could connect with IOSD, H3-D2 gimbal and NAZA-M Bluetooth module(coming soon);

What's new?

- **Firmware**
  - ✓ New attitude stabilize algorithm, provides better flight performance;
  - ✓ New flight control feeling(takeoff is more stable and easy;flight will be more smooth);
  - ✓ Auto course error compensation;
  - ✓ Support octo-rotor; Add protection for Hexa-copter, octo-copter when lost one motor power;
  - ✓ Add IMU advanced calibration, sensor error monitoring and protections function;
  - ✓ Support PMU module with CAN BUS port, could support iOSD, GoPro gimbal and NAZA-M Bluetooth module(coming soon), and so on;
  - ✓ Increased demand for GPS signal strength increased the compass interference monitoring and warning, maximumly reduced the effects of magnetic disturbance.
  - ✓ Add new LED informations;

Software

- ✓ New UI design, simple and easy to use.

- **Manual**
  - ✓ New **Quick Start Guide,** matched with the new assistant software

Notices：

- For safety reason, do not use power battery during firmware upgrade.
- Make sure reconfigure all parameters after upgrading firmware.

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NAZA-M Product Release Notes

Date: 2012/08/30

NAZA firmware version: 2.02

NAZA assistant software version: 1.8

NAZA user manual version: 2.3

Functions:

- Manual Mode;
- Atti. Mode;
- GpsAtti.Mode;
- Intelligent Orientation Control(CF)：Course lock/Home lock
- Enhanced Fail-Safe：Landing / go home & landing
- Quad-rotor I, X; Hex-rotor I, V; Y, IY
- Combination Stick Command to start; Immediately Mode and Intelligent Mode to stop;
- Remote gain tuning;
- Two-axis gimbal supported, Multi Gimbal Servo Output Frequency Supported
- S-Bus Support;PPM Support
- Voltage Monitor and Low Voltage Protection
- 4 channels transmitter support
- Five-level Motor Idle Speed adjustable in Motor Mixer.
- IMU Calibration

What's new?

- PPM Receiver Supported
- Multi Gimbal Servo Output Frequency Supported
- IMU Calibration for eliminating gyroscope bias

Notices：

- For safety reason, do not use power battery during firmware upgrade.
- Make sure reconfigure all parameters after upgrading firmware.

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NAZA-M Product Release Notes

Date: 2012/05/18

NAZA firmware version: 2.01

NAZA assistant software version: 1.6

NAZA user manual version: 2.0

Functions:

- Manual Mode;
- Atti. Mode;
- GpsAtti.Mode;
- Intelligent Orientation Control(CF)：Course lock/Home lock
- Enhanced Fail-Safe：Landing / go home & landing
- Quad-rotor I, X; Hex-rotor I, V; Y, IY
- Combination Stick Command to start; Immediately Mode and Intelligent Mode to stop;
- Remote gain tuning;
- Two-axis gimbal supported
- S-Bus Support
- Voltage Monitor and Low Voltage Protection
- 4 channels transmitter support
- Five-level Motor Idle Speed adjustable in Motor Mixer.

What's new?

- Five-level Motor Idle Speed adjustable in Motor Mixer.
- GpsAtti.Mode(Green light blink)
  GPS satellites：GPS satellites < 5 with three red blinks GPS satellites， GPS >=7 with no red blink.
  Compass Calibration**:** step1 yellow light is on，step2 green light on, go into normal mode if successful, otherwise calibration fail and red light quickly blink.
- Intelligent Orientation Control(CF, yellow and green blink indication)：Course lock/Home lock
  LED will blink green quickly if forward direction or home recording is successful.
- Enhanced Fail-Safe：Landing / go home & landing

Notices：

- Make sure reconfigure all parameters after upgrading firmware.
- Setting idle speed too low may affect motor(s) spool up. Setting idle speed too high may affect aircraft take off at lowest throttle position. Please refer to user manual for details.
- After the previous version Naza upgrading, the Atti. Mode switch (original setting) will be changed into GpsAtti.Mode.

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NAZA-M Product Release Notes

Date:	**01February 2012**
NAZA firmware version:	**1.04**
NAZA assistant software version:	**1.2**
NAZA user manual version:	**1.4**

Functions:

- Manual Mode;
- Atti. Mode;
- Auto level and descend Fail-Safe;
- Quad-rotor I, X; Hex-rotor I, V; Y, IY
- Combination Stick Command to start; Immediately Mode and Intelligent Mode to stop;
- Remote gain tuning;
- Two-axis gimbal supported
- S-Bus Support
- Voltage Monitor and Low Voltage Protection
- 4 channels transmitter support

What is new?

- Support hex-rotor Y, IY.

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NAZA-M Product Release Notes

Date:	**22December 2011**
NAZAfirmware version:	**1.02**
NAZAassistant software version:	**1.1**

Functions:

- Manual Mode;
- Atti. Mode;
- Auto level and descend Fail-Safe;
- Quad-rotor I, X; Hex-rotor I, V;
- Combination Stick Command to start; Immediately Mode and Intelligent Mode to stop;
- Remote gain tuning;
- Two-axis gimbal supported
- S-Bus Support
- Voltage Monitor and Low Voltage Protection
- 4 channels transmitter support

What is changed?

- Max tilt angleis changed from 35° to 45°
- Max Yaw Angular Velocity is changed from 150°/s to 200°/s
- In “Cut Off Type”-“Immediately” Mode: By using this mode, in any control mode, once motors start and throttle stick is over 10%, motors will stop immediately when throttle stick is back under 10% again. In this case, if you push the throttle stick over 10% in 5 seconds after motors stop, motors will re-start, CSC is no need.
- New self-check LED indication.
- New LED indication for stick center point.

What is new?

- 4-channel transmitter support (default mode is “Atti” if there is no cable on U channel), then there is no fail-safe.

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NAZA-M Product Release Notes

Date: **16 December 2011**

NAZA firmware version: **0.1**

NAZA assistant software version: **1.0**

Functions:

- Manual Mode;
- Atti. Mode;
- Altitude lock;
- Auto level and descend Fail-Safe;
- Quad-rotor I, X; Hex-rotor I, V;
- Combination Stick Command to start; Immediately Mode and Intelligent Mode to stop;
- Remote gain tuning;
- Two-axis gimbal supported
- S-Bus Support
- Voltage Monitor and Low Voltage Protection

What is changed?

- Logo change in assistant software

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